

38-15(53143).ST25.txt
SEQUENCE LISTING

<110> Monsanto Technology LLC
 Beazley, Kim
 Coombe, Tim
 Groth, Mark
 Hinchey, Terri
 Pershing, Jay
 Vaughn, Ty
 Zhang, Bei

<120> Corn Plant MON88017 and Compositions and Methods for Detection Thereof

<130> 38-15(53143)

<150> 60/529,477
 <151> 2003-12-15

<160> 34

<170> PatentIn version 3.2

<210> 1
 <211> 20
 <212> DNA
 <213> artificial sequence

<220>
 <223> Chimeric DNA of Zea mays genome and non Zea mays transgene insert

<400> 1
 tgacggtgac gatataattca 20

<210> 2
 <211> 20
 <212> DNA
 <213> artificial sequence

<220>
 <223> chimeric DNA of Zea mays genome and non Zea mays transgene insert
 DNA

<400> 2
 cagtttaaac agagtcgggt 20

<210> 3
 <211> 1461
 <212> DNA
 <213> artificial sequence

<220>
 <223> Chimeric DNA of Zea mays genome and non Zea mays transgene insert
 DNA

<400> 3
 gaccagcgtc tcccgccgca cccgcagtct gcaccgtaga gatcggatgt acaggcatgt 60
 agcattaggc tattcagcgg ctctcgtatc ttattcccta ccatctatct tatctacact 120
 gtataatact ccctccgttt attgtttatt tgctcgttgaa tagttcaata tttgcactgt 180

38-15 (53143) .ST25.txt

ccagcgacaa ctaaaatgaa acggagtgag gtagtgtttt gtacaacat atatagaggt	240
gccccaaacgg gcggcccggc ccggggccgt caggcccgac ggttaatcgg gccgtgcccg	300
gccggcccccg tgccgtagcc gtggcccagg cacggcgtgc cgggccagcc gtttaactgg	360
tcacgttctc ccgcctaact gaaggacact aaccaatata actcgtgagc atttgttgta	420
aatagctaata ataaaatgta aatatatata ctatgtttta taaaataaaa aatatataat	480
cgtgccggcc aggcgggcac tgcggggcaa gacagcggcc caagcacgtc acggttctcg	540
tgccggggcg gccccggcat cgtgtttcag gccgggtccgt taggcacggc tcatttggcc	600
ctctataacc atatatcata ttcatcgacg accttgggct aaggcagacc gacggccgcc	660
ctaggcccca gatctataga ggcttaatgc taaatataaa ttcagtagtt agactatcaa	720
tgtatgatata aatagtttag caacaaaata ctaaagaatt tatggctacg atgttttcat	780
aatccgatct tatctaaaca tgttagaagg aaattttaaa gtaatattat aatatgtatc	840
tttttattta cttattgctt gatatagata ttttgatct atcttaagtg ttttatattg	900
ataatattta tgtatataaa gaattagaat agtcctattt taaattttgt cctgaacccc	960
taaaatccca ggaccgccac ctatcatata catacatgat cttctaaata cccgatcaga	1020
gcgctaagca gcagaatcgt gtgacaacgc tagcagctct cctccaacac atcatcgaca	1080
agcacctttt ttgccggagt atgacggtga cgatatattc aattgtaaat ggcttcatgt	1140
ccgggaaatc tacatggatc agcaatgagt atgatggtca atatggagaa aaagaaagag	1200
taattaccaa ttttttttca attcaaaaat gtagatgtcc gcagcgttat tataaaatga	1260
aagtacattt tgataaaacg acaaattacg atccgtcgta tttataggcg aaagcaataa	1320
acaaattatt ctaattcgga aatctttatt tcgacgtgtc tacattcacg tccaaatggg	1380
ggcttagatg agaaacttca cgatttggcg cgccaaagct tactcgaggt cattcatatg	1440
cttgagaaga gagtcgggat a	1461

<210> 4

<211> 3525

<212> DNA

<213> artificial sequence

<220>

<223> Chimeric DNA of Zea mays genome and non Zea mays transgene insert DNA

<400> 4

caaactccac atgggcttct cgggcgacaa gaatgaactg atcattggtg ctgagtcott	60
cgtctccaac gagaagatct acatcgacaa gatcgagttc atccccgtcc agctgtgata	120
ggaactctga ttgaattctg catgcgtttg gacgtatgct cattcagggt ggagccaatt	180
tggttgatgt gtgtgcgagt tcttgcgagt ctgatgagac atctctgtat tgtgtttctt	240
tccccagtgt tttctgtact tgtgtaatcg gctaatacgcc aacagattcg gcgatgaata	300

38-15 (53143) .ST25 .txt

aatgagaaat aaattgttct gatttttgagt gcaaaaaaaaa aggaattaga tctgtgtgtg	360
ttttttggat ccccggggcg gccgctcgag caggacctgc agaagctagc ttgatgggga	420
tcagattgtc gtttcccgcg ttcagttaa acagagtcgg gtttgatgg tcaactccgg	480
catactgccg aaaacaaacc aatccgtcac cgtcaaggcc ccgcaccgct ggccgcacgc	540
aggaaaaata agttgcgacc gcgagcgggc gaatcagaaa gggcgtcgg ccttggtcag	600
acacgacagc gacgcggaaa ggctgcgcc gccgtgccat ctacaagggt ccacgtccat	660
ccaaaaagag cggtgccctg gacttctccc tcgtgttcct acttcctacg cgaaggaagc	720
caggcaggtg cgcagctttt ccaaccttcc accccccccg tgcggcgctc ccacgtgag	780
tcgtgaccg ctgcgcctc tcttcgcctc ctctcactc gccgcgtcct ccgcagcaca	840
gccactcgc atcgatcgc gcgcggggag cggcatggcc ggcgacgacg gcagcggcgg	900
gagcggaggc ggcaacaggg aggacgaggt ccacgtgcag atcgcaggtc agtgtcagtc	960
ctccgctcgt tctctctctc tccgacggac agtgtgaact atgtcgggtc gtcgttgagg	1020
atcgatgag aggagcgcgg gaaggactgt cgtagattgg atttgctctg cagtgcgtgg	1080
gtagccccga gtccccgaca catgttcttt tttctcgggt tatgtcagcg gcggtacgtc	1140
gttggaacgc tcaagcgcga gaggtgttcg atgaattacc ttctgggtgtg tggcgtaccg	1200
gtgggtcagt ggggtttttg gttcgtgtac gggatttggg gttgggggtc atctcccttc	1260
ttcagtgcgc gcgctcacga gtcacggctg tcttgtgatt gctgcactctg tgccatgtgc	1320
tcgtgcgtgc gttttcagtt actggccatt gacactgagt gaatgttcgg ttggtcgtcc	1380
gatagggttg gttcagctgt taattacgac tccaagtatc tgaaacattt catgaggatg	1440
tgtagggaac cttactttat gcacttcaat ggccaggcca ggcctgtatt atctttttct	1500
tgtttgggaa taatgatgtg agctttaggg gagcagcgtc gcttcttctt tttttttct	1560
ccagaaaaag tcatagatat accgtggaca atttctttgt gtgcggtaat tttagagcac	1620
tgtgggtttg tgccctgttc gtcaggaaaa gtaccaagc tgggatttca cttgggtcta	1680
agaaaccagc gtttcagttt ggggggtctc ctggtaccct gaagtgtta ccatttatag	1740
ttcccggtg acctgttcat aatgccttct gtatgttggt tgcaggatca tccaaacctg	1800
aaacctcatc taccaacgaa acagctcctc aaaactctca taccaagcat tggcattgggt	1860
ggctgatggg aactctgaac attttcttcc tcgttgctgg tcagacagca tcgacactcc	1920
ttggcaggtt ctactacaac caagggtggaa atagcaagtg gatgtccaca tttgtccaaa	1980
ccgctggctt tccagtgtg ttcgtcgccc tatactctgtt ccgttcaaaa tcgccttcta	2040
cacaaacaac caccagtaac cctgagactt ctgtcaccaa aattactctt atatatgttg	2100
tcttgggcct catcattgct gccgatgaact tgatgtattc ctatggcctg ttgtaccttc	2160
ctgtatcaac atattcgctc atttgcgcta gtcagctggc cttcaatgct gtcttctcat	2220

38-15 (53143) .ST25.txt

```

atgtcctaaa tgctcaaaag ttcaccccat tcattttcaa ctcagtaatt ctccttactt 2280
ttcccgtgc gcttcttgga gttgacgaag attctcaggg taccaatggg ttatcgcggtg 2340
ggaagtacat attgggtttc gcattgaccc taggagcctc ggccacatac tcactaattc 2400
tctctctaata gcaagtcgca ttcgagaagg ttattaagaa ggaaactttc tcagtcgtgt 2460
tgaatatgca gatataata gcaactagtgg caacagtagc ttctcttatac ggtttatattg 2520
caagcggcga gtggaagact ttagagggag agatgcatgc cttcagctca gggaggggtgt 2580
cctatgtgat gacacttcta tggactgctg tatcttggca gatagcttcc gtaggagtgg 2640
tggttttgat ctttgttgtg tcatcactct tttcaaatgt gataagcaca ctggctctac 2700
ccatcattcc gatTTTTgtg gtgattttct tccacgacaa gatggatgga gtgaagatta 2760
ttgctatgtt gatggccatc tggggattcg tttcatatgg atatcaatta tatgtcagtg 2820
acaagaaggc taggaagact tcagtcagtg tggaggagaa ttcctaagcg cttgttggcc 2880
tggtacattg gtctttgtgg ctcctatacc actttaagtt gctggtattg aggaggtact 2940
agttattgac ttattgtatc caaaaggagc tcagttgaga atctcaggtt tacacaattc 3000
ataggatat acttctgtta gtattgtcat atcatcatat gtaccgatgt acggttgtgt 3060
tgtcctttaa aataaaaaga ttagcatttc cagaggcatg ctctctagat ttctaattgc 3120
cttaaataatt ttcttgccct tgttttgttt tttttttttt gctattaact gtgatttgtg 3180
attctatggg ttgacatata gtattttctag gtgggtgtgca tgctgacctt gcttattcta 3240
ctatgaatta aatgcagtat aggtccatta acttttgcat gcgagcttct tggtgaaagc 3300
cctgcgtggg ttggttttga taactgagtg acagttagta aagggtttttt gtgtaccaca 3360
ttttcttagt gttcttcact ccaaatttga taggcgaggc tcgatcttat tcagttgctt 3420
ggctttcctt gttataacgc ctcagctaat ctggctttgt ttccttatgc ataccttctg 3480
taatctaaca ccaaaccaca gatgttgcat gtccattctc catgg 3525

```

<210> 5

<211> 7450

<212> DNA

<213> artificial sequence

<220>

<223> Chimeric DNA of Zea mays genome and non Zea mays transgene insert DNA

<400> 5

```

taccgatca gagcgctaag cagcagaatc gtgtgacaac gctagcagct ctctccaac 60
acatcatcga caagcacctt ttttgccgga gtatgacggg gacgatatat tcaattgtaa 120
atggcttcat gtccgggaaa tctacatgga tcagcaatga gtatgatggg caatatggag 180
aaaaagaaag agtaattacc aatttttttt caattcaaaa atgtagatgt ccgcagcgtt 240

```

38-15 (53143) .ST25.txt

attataaaat gaaagtacat tttgataaaa cgacaaatta cgatccgtcg tatttatagg	300
cgaaagcaat aaacaaatta ttctaattcg gaaatcttta ttctgacgtg tctacattca	360
cgtccaaatg ggggcttaga tgagaaactt cacgatttgg cgcgccaaag cttactcgag	420
gtcattcata tgcttgagaa gagagtcggg atagtcctaaa ataaaacaaa ggtaagatta	480
cctgggtcaaa agtgaaaaca tcagttaaaa ggtgggtataa agtaaaatat cggtaataaa	540
aggtggccca aagtgaattt tactcttttc tactattata aaaattgagg atgtttttgt	600
cgggtactttg atacgtcatt tttgtatgaa ttggttttta agttttattcg cttttggaaa	660
tgcatatctg tattttgagtc gggtttttaag ttctgtttgct tttgtaaata cagagggatt	720
tgtataagaa atatcttttag aaaaacccat atgctaattt gacataattt ttgagaaaaa	780
tatatattca ggcgaattct cacaatgaac aataataaga ttaaaatagc tttcccccg	840
tgacgcgcgc gggatattttt tctagtaaaa ataaaagata aacttagact caaaacattt	900
acaaaaacaa cccctaaagt tcctaaagcc caaagtgcta tccacgatcc atagcaagcc	960
cagcccaacc caaccaacc caaccaccc cagtccagcc aactggacaa tagtctccac	1020
acccccccac tatcacctg agttgtccgc acgcaccgca cgtctcgag ccaaaaaaaaa	1080
aaagaaagaa aaaaaagaaa aagaaaaaac agcaggtggg tccgggtcgt gggggccgga	1140
aacgcgagga ggatcgcgag ccagcgacga ggccggccct ccctccgctt ccaaagaaac	1200
gccccccatc gccactatat acataccccc ccctctctct ccatcccccc aaccctacca	1260
ccaccaccac caccacctcc acctcctccc ccctcgtgc cggacgacga gtcctcccc	1320
cctccccctc cgccgcgcgc gcgcggtaaa ccaccccgcc cctctcctct ttctttctcc	1380
gttttttttt ccgtctcggg ctcgatcttt ggcccttggt gtttgggtgg gcgagaggcg	1440
gcttcgtgcg cgccagatc ggtgcgcggg agggggcgga tctcgcggtt ggggctctcg	1500
ccggcgtgga tccggcccg atctcgcggg gaatggggct ctcggatgta gatctgcgat	1560
ccgcccgttg tgggggagat gatgggggt ttaaaatttc cgccgtgcta aacaagatca	1620
ggaagagggg aaaagggcac tatggtttat atttttatat atttctgctg cttcgtcagg	1680
cttagatgtg ctagatcttt ctttcttctt tttgtgggta gaatttgaat ccctcagcat	1740
tgttcatcgg tagtttttct tttcatgatt tgtgacaaat gcagcctcgt gcggagcttt	1800
ttttagtgta gaagtgatca accatggcgc aagttagcag aatctgcaat ggtgtgcaga	1860
acccatctct tatctccaat ctctcgaaat ccagtcaacg caaatctccc ttatcggttt	1920
ctctgaagac gcagcagcat ccacgagctt atccgatctt gtcgtcgtgg ggattgaaga	1980
agagtgggat gacgttaatt ggctctgagc ttctctctct taaggctcatg tcttctgttt	2040
ccacggcgtg catgcttcac ggtgcaagca gccggcccg aaccgcccgc aaatcctctg	2100
gcctttccgg aaccgtccgc attccggcg acaagtcgat ctcccaccgg tccttcatgt	2160

38-15 (53143) .ST25.txt

tgggcgggtct	cgcgagcgggt	gaaacgcgca	tcaccggcct	tctggaaggc	gaggacgtca	2220
tcaatacggg	caaggccatg	caggcgatgg	gcgcccgc	ccgtaaggaa	ggcgacacct	2280
ggatcatcga	tggcgtcggc	aatggcgggc	tcctggcgcc	tgaggcgccg	ctcgatttcg	2340
gcaatgccgc	cacgggctgc	cgcctgacga	tgggcctcgt	cggggtctac	gatttcgaca	2400
gcaccttcat	cggcgacgcc	tcgctcacia	agcgcccgat	gggcgcgctg	ttgaacccgc	2460
tgcgcgaaat	gggcgtgcag	gtgaaatcgg	aagacgggtga	ccgtcttccc	gttaccttgc	2520
gcgggccgaa	gacgccgacg	ccgatcacct	accgcgtgcc	gatggcctcc	gcacaggtga	2580
agtcgcgcgt	gctgctcgcc	ggcctcaaca	cgcccggcat	cacgacggtc	atcgagccga	2640
tcatgacgcg	cgatcatacg	gaaaagatgc	tgcagggtct	tggcgccaac	cttacccgtc	2700
agacgggatgc	ggacggcgtg	cgcaccatcc	gcctggaagg	ccgcggcaag	ctcaccggcc	2760
aagtcatcga	cgtgccgggc	gaccgcctct	cgacggcctt	cccgtgggtt	gcggccctgc	2820
ttgttccggg	ctccgacgtc	accatcctca	acgtgctgat	gaaccccacc	cgcaccggcc	2880
tcactctgac	gctgcaggaa	atgggcgccc	acatcgaagt	catcaaccgc	cgccttgccg	2940
gcggcgaaga	cgtggcggac	ctgcgcgttc	gctcctccac	gctgaagggc	gtcacgggtgc	3000
cggaagaccg	cgcgccttcg	atgatcgacg	aatatccgat	tctcgctgtc	gccgcgcctt	3060
tcgcggaagg	ggcgaccgtg	atgaacggtc	tggaagaact	ccgcgtcaag	gaaagcgacc	3120
gcctctcggc	cgtcgccaat	ggcctcaagc	tcaatggcgt	ggattgcat	gagggcgaga	3180
cgtcgctcgt	cgtgcgtggc	cgcctgacg	gcaaggggct	cggcaacgcc	tcgggcgccc	3240
ccgtcgccac	ccatctcgat	caccgcatcg	ccatgagctt	cctcgtcatg	ggcctcgtgt	3300
cggaaaaccc	tgtcacgggtg	gacgatgcc	cgatgatcgc	cacgagcttc	ccggagttca	3360
tggacctgat	ggccgggctg	ggcgcaaga	tcgaactctc	cgatacgaag	gctgcctgat	3420
gagctcgaat	tcccgatcgt	tcaaacattt	ggcaataaag	tttcttaaga	ttgaatcctg	3480
ttgccgggtct	tgcgatgatt	atcatataat	ttctgttgaa	ttacgttaag	catgtaataa	3540
ttaacatgta	atgcatgacg	ttatttatga	gatgggtttt	tatgattaga	gtcccgaat	3600
tatacattta	atacgcgata	gaaaacaaaa	tatagcgcgc	aaactaggat	aaattatcgc	3660
gcgcggtgtc	atctatgtta	ctagatcggg	gatttgccgc	cgcgttaaca	agcttctgca	3720
ggtcgcgattg	agacttttca	acaaagggtg	atatccggaa	acctcctcgg	attccattgc	3780
ccagctatct	gtcactttat	tgtgaagata	gtggaaaagg	aagggtggctc	ctacaaatgc	3840
catcatttgc	ataaaggaaa	ggccatcggt	gaagatgcct	ctgccgacag	tggtcccaaa	3900
gatggacccc	caccacagag	gagcatcgtg	gaaaaagaag	acgttccaac	cacgtcttca	3960
aagcaagtgg	attgatgtga	tggtccgatt	gagacttttc	aacaaagggt	aatatccgga	4020
aacctcctcg	gattccattg	cccagctatc	tgtcacttta	ttgtgaagat	agtggaaaag	4080

38-15 (53143) .ST25.txt

gaaggtggct	cctacaaatg	ccatcattgc	gataaaggaa	aggccatcgt	tgaagatgcc	4140
tctgccgaca	gtggtcccaa	agatggaccc	ccaccacga	ggagcatcgt	ggaaaaagaa	4200
gacgttccaa	ccacgtcttc	aaagcaagtg	gattgatgtg	atatctccac	tgacgtaagg	4260
gatgacgcac	aatcccacta	tccttcgcaa	gacccttcct	ctatataagg	aagttcathtt	4320
cattttggaga	ggacacgctg	acaagctgac	tctagcagat	cctctagaac	catcttccac	4380
acactcaagc	cacactattg	gagaacacac	agggacaaca	caccataaga	tccaagggag	4440
gcctccgccg	ccgccggtaa	ccaccccgcc	cctctcctct	ttctttctcc	gttttttttt	4500
ccgtctcggt	ctogatcttt	ggccttggtg	gtttgggtgg	gcgagaggcg	gcttcgtgcg	4560
cgcccagatc	ggtgcgcggg	aggggcggga	tctcgcggct	ggggctctcg	ccggcgtgga	4620
tccggcccgg	atctcgcggg	gaatggggct	ctcggatgta	gatctgcgat	ccgccgttgt	4680
tgggggagat	gatggggggt	ttaaaatttc	cgccgtgcta	aacaagatca	ggaagagggg	4740
aaaagggcac	tatggtttat	atttttatat	atctctgctg	cttcgtcagg	cttagatgtg	4800
ctagatcttt	ctttcttctt	tttgtgggta	gaatttgaat	ccctcagcat	tgttcatcgg	4860
tagtttttct	tttcatgatt	tgtgacaaat	gcagcctcgt	gcggagcttt	tttgtaggta	4920
gaagtgatca	accatggcca	accccaacaa	tcgctccgag	cacgacacga	tcaaggtcac	4980
ccccaaactc	gagctccaga	ccaaccacaa	ccagtaccg	ctggccgaca	accccaactc	5040
caccctggaa	gagctgaact	acaaggagtt	cctgcgcgat	accgaggact	cctccacgga	5100
ggtcctggac	aactccaccg	tcaaggacgc	cgtcgggacc	ggcatctccg	tcgttgggca	5160
gatcctgggc	gtcgttggcg	tccccttcgc	aggtgctctc	acctccttct	accagtcctt	5220
cctgaacacc	atctggccct	ccgacgccga	cccctggaag	gccttcattg	cccaagtcga	5280
agtcctgatc	gacaagaaga	tcgaggagta	cgccaagtcc	aaggccctgg	ccgagctgca	5340
aggcctgcaa	aacaacttcg	aggactacgt	caacgcgctg	aactcctgga	agaagacgcc	5400
tctgtccctg	cgtcccaagc	gctcccagga	ccgcacccgc	gagctgttct	cccaggccga	5460
gtcccacttc	cgcaactcca	tgcgctcctt	cgccgtctcc	aagttcgagg	tcctgttcct	5520
gccacactac	gccagggctg	ccaacaccca	cctcctgttg	ctgaaggacg	cccaggctctt	5580
cggcgaggaa	tggggctact	cctcggagga	cgtcgcggag	ttctaccgtc	gccagctgaa	5640
gctgacccaa	cagtacaccg	accactgcgt	caactggtac	aacgtcggcc	tgaacggcct	5700
gaggggctcc	acctacgacg	catgggtcaa	gttcaaccgc	ttccgcaggg	agatgaccct	5760
gaccgtcctg	gacctgatcg	tcctgttccc	cttctacgac	atccgcctgt	actccaaggg	5820
cgtcaagacc	gagctgaccc	gcgacatctt	cacggacccc	atcttcctgc	tcacgaccct	5880
ccagaagtac	ggtcccacct	tcctgtccat	cgagaactcc	atccgcaage	cccacctgtt	5940
cgactacctc	cagggcatcg	agttccacac	gcgcctgagg	ccaggctact	tcggcaagga	6000

38-15 (53143) .ST25.txt

ctcccttcaac tactgggtccg gcaactacgt cgagaccagg ccctccatcg gctcctcgaa 6060
 gacgatcacc tcccccttct acggcgacaa gtccaccgag cccgtccaga agctgtcctt 6120
 cgacggccag aaggtctacc gcaccatcgc caacaccgac gtcgcggtt ggccgaacgg 6180
 caaggtctac ctgggctca cgaaggctga cttctcccag tacgatgacc agaagaacga 6240
 gacctccacc cagacctacg actccaagcg caacaatggc cacgtctccg cccaggactc 6300
 catcgaccag ctgccgcctg agaccactga cgagcccctg gagaaggcct actcccacca 6360
 gctgaactac gcggagtgtt tcctgatgca agaccgcagg ggcaccatcc ccttcttcac 6420
 ctggaccac cgctccgtcg acttcttcaa caccatcgac gccgagaaga tcaccagct 6480
 gcccggtgtc aaggcctacg ccctgtcctc ggggtgcctc atcattgagg gtccaggctt 6540
 caccggtggc aacctgtgtt tcctgaagga gtcctcgaa tccatcgcca agttcaaggt 6600
 caccctgaac tccgtgcct tgctgcaacg ctaccgcgtc cgcatccgt acgcctccac 6660
 cacgaacctg cgctgttcg tccagaactc caacaatgac ttctggtca tctacatcaa 6720
 caagaccatg aacaaggacg atgacctgac ctaccagacc ttcgacctcg ccaccacgaa 6780
 ctccaacatg ggcttctcgg gcgacaagaa tgaactgac attggtgtg agtccttcgt 6840
 ctccaacgag aagatctaca tcgacaagat cgagttcatc cccgtccagc tgtgatagga 6900
 actctgattg aattctgcat gcgtttggac gtatgtcat tcaggttgga gccaatgttg 6960
 ttgatgtgtg tgcgagttct tgcgagtctg atgagacatc tctgtattgt gtttctttcc 7020
 ccagtgtttt ctgtacttgt gtaatcggct aatcgccaac agattcggcg atgaataaat 7080
 gagaaataaa ttgttctgat tttagtgca aaaaaaagg aattagatct gtgtgtgttt 7140
 tttggatccc cgggcgggc gtcgagcag gacctgcaga agctagcttg atggggatca 7200
 gattgtcgtt tccgccttc agtttaaaca gagtcgggtt tggatggtca actccggcat 7260
 actgccgaaa acaaaccaat ccgtcaccgt caaggccccg caccgctggc cgcacgcagg 7320
 aaaaataagt tgcgaccgcg agcgggagaa tcagaaaggc cgtccggcct tggtcagaca 7380
 cgacagcgac gcggaaggc tgcgcccgcg gtgccatcta caagggtcca cgtccatcca 7440
 aaaagagcgg 7450

<210> 6
 <211> 21
 <212> DNA
 <213> Zea mays

<400> 6
 ctgaaccctt aaaatcccag g

21

<210> 7
 <211> 30
 <212> DNA
 <213> Oryza sativa

38-15(53143).ST25.txt

<400> 7
cctttgtttt attttggact atcccgactc 30

<210> 8
<211> 40
<212> DNA
<213> Triticum aestivum

<400> 8
ctgatgagac atctctgtta ttgtgtttct ttccccagtg 40

<210> 9
<211> 30
<212> DNA
<213> Triticum aestivum

<400> 9
tgtaatcggc taatcgccaa cagattcggc 30

<210> 10
<211> 32
<212> DNA
<213> Triticum aestivum

<400> 10
cggccgctcg agcaggacct gcagaagcta gc 32

<210> 11
<211> 33
<212> DNA
<213> Triticum aestivum

<400> 11
gatggggatc agattgtcgt ttcccgctt cag 33

<210> 12
<211> 27
<212> DNA
<213> Oryza sativa

<400> 12
cactttgggc cactttttat taccgat 27

<210> 13
<211> 29
<212> DNA
<213> Oryza sativa

<400> 13
ctgatgtttt cacttttgac caggtaatc 29

<210> 14
<211> 28
<212> DNA
<213> Oryza sativa

38-15 (53143) .ST25.txt

<400> 14
taattactct ttctttttct ccatattg 28

<210> 15
<211> 26
<212> DNA
<213> Oryza sativa

<400> 15
catactcatt gctgatccat gtagat 26

<210> 16
<211> 24
<212> DNA
<213> Zea mays

<400> 16
cctatttttaa attttgcct gaac 24

<210> 17
<211> 27
<212> DNA
<213> Oryza sativa

<400> 17
gatcgtggat agcactttgg gctttag 27

<210> 18
<211> 29
<212> DNA
<213> Zea mays

<400> 18
accgccacct atcatatata tacatgatc 29

<210> 19
<211> 27
<212> DNA
<213> Oryza sativa

<400> 19
aggtggccca aagtgaaatt tactctt 27

<210> 20
<211> 28
<212> DNA
<213> Arabidopsis thaliana

<400> 20
gcagatctac atccgagagc cccattcc 28

<210> 21
<211> 28
<212> DNA
<213> Oryza sativa

<400> 21

38-15(53143).ST25.txt

tcgatctttg gccttggtag tttgggtg 28

<210> 22
 <211> 28
 <212> DNA
 <213> Agrobacterium tumefaciens

<400> 22
 gctcatcagg cagccttcgt atcgggag 28

<210> 23
 <211> 27
 <212> DNA
 <213> Agrobacterium tumefaciens

<400> 23
 ctcgatcacc gcatcgccat gagcttc 27

<210> 24
 <211> 28
 <212> DNA
 <213> Bacillus thuringiensis

<400> 24
 aagacctggg cgctcttcag caacagga 28

<210> 25
 <211> 28
 <212> DNA
 <213> Bacillus thuringiensis

<400> 25
 cctggaaggc cttcatggcc caagtcga 28

<210> 26
 <211> 27
 <212> DNA
 <213> Zea mays

<400> 26
 aacagaggcg tgaccggtca gcgactc 27

<210> 27
 <211> 28
 <212> DNA
 <213> Zea mays

<400> 27
 tccttcgcgt aggaagtagg cacacgag 28

<210> 28
 <211> 20
 <212> DNA
 <213> Zea mays

<400> 28
 cgtggtgatc acaaacagta 20

38-15(53143).ST25.txt

<210> 29
<211> 21
<212> DNA
<213> Zea mays

<400> 29
ctatatgaca gacccatcgt t 21

<210> 30
<211> 20
<212> DNA
<213> Zea mays

<400> 30
cacatcatcg acaagcacct 20

<210> 31
<211> 22
<212> DNA
<213> Zea mays

<400> 31
gtatgccgga gttgaccatc ca 22

<210> 32
<211> 24
<212> DNA
<213> Oryza sativa

<400> 32
ggacatgaag ccatttataa ttga 24

<210> 33
<211> 15
<212> DNA
<213> artificial sequence

<220>
<223> labeled primer for use in zygosity assay

<400> 33
tgacggtgac gatat 15

<210> 34
<211> 15
<212> DNA
<213> artificial sequence

<220>
<223> labeled primer for use in zygosity assay

<400> 34
agaaggccgg agtcg 15